

Anand Rao - Re: Raising the dissolved oxygen in the Chicago River

From: Anand Rao
To: thenaturaledge@comcast.net
Subject: Re: Raising the dissolved oxygen in the Chicago River
CC: Alisa Liu

PC# 183

Dear Mr. Day,

thank you for sharing the information concerning the Coherent Water Resonator. We are unable to meet with you at this time because of an ongoing Board rulemaking on the Chicago Area waterway System (CAWS) in Docket R08-9. We will place your email along with the attachment in the CAWS rulemaking docket as a public comment. You may file any additional information or comments concerning the CAWS with the Board's clerk's office,

Sincerely,

Anand Rao

Senior Environmental Scientist
Illinois Pollution Control Board
Ph: (312) 814-3956
Fx: (312) 814-3669

>>> <thenaturaledge@comcast.net> 2/18/2009 11:47 AM >>>

Dear Anand and Lisa, The saga of cleaning the Chicago River continues. I know two things....1) I have a technology, The Coherent Water Resonator, that is capable of putting 80,000 lbs of dissolved oxygen in one billion gallons of river water every 24 hours and 2) Unless we partner with Nature the job of cleaning the Chicago River will never happen... So where do we go from here....I will be in my Chicago office on Friday (2/20/09)...I can meet with you at your office in the afternoon. The attachment reflects one of the many letters I have sent to the MWRD with not much success. Please respond yes or no to the meeting asap so that I can make arrangements. Rick

Anand Rao - Raising the dissolved oxygen in the Chicago River

From: <thenaturaledge@comcast.net>
To: <RAOA@IPCB.STATE.IL.US>, <LIUA@IPCB.STATE.IL.US>
Date: 2/18/2009 11:46 AM
Subject: Raising the dissolved oxygen in the Chicago River
Attachments: tne letter to MWRD Commissioners 062408.doc

Dear Anand and Lisa, The saga of cleaning the Chicago River continues. I know two things....1) I have a technology, The Coherent Water Resonator, that is capable of putting 80,000 lbs of dissolved oxygen in one billion gallons of river water every 24 hours and 2) Unless we partner with Nature the job of cleaning the Chicago River will never happen... So where do we go from here....I will be in my Chicago office on Friday (2/20/09)...I can meet with you at your office in the afternoon. The attachment reflects one of the many letters I have sent to the MWRD with not much success. Please respond yes or no to the meeting asap so that I can make arrangements. Rick

Commissioner ,

I just finished reading Technical Memorandum 6WQ dated 1/12/07 prepared by CTE/AECOM for the MWRDGC. Project 40779, Appendix F reflects the capital costs of supplying supplemental aeration to Bubbly Creek. Three aeration facilities would be constructed on Bubbly Creek to generate 26,600 pounds of oxygen (O₂) daily to raise the dissolved oxygen of Bubbly Creek. Three pieces of property would be purchased to accommodate the three facilities. The cost of construction of all 3 would be approximately \$163,000,000 plus the land. The yearly energy costs and operation and maintenance costs, Appendix G, would be approximately \$5,400,000.

The Coherent Water Resonator is capable of generating 80,000 pounds of dissolved oxygen (O) daily to raise the dissolved oxygen of Bubbly Creek. The purchase price of the CWR and the operation and maintenance for the first year would be approximately \$300,000. The operation and maintenance of subsequent years would be approximately \$30,000. The CWR is solar. Energy costs during 9 months of the year would be \$0. If the unit is run during the winter months, under the ice if necessary, it can be plugged in to a normal socket and the energy cost is minimal. The CWR can be secured on the property of the Racine Pumping Station, 30 square feet of space is needed.

The CWR is capable of raising the dissolved oxygen to over 20 ppm with a saturation level in excess of 200%.

The IEPA is going to raise the minimum dissolved oxygen standards for the Chicago Waterways. What is presently in place cannot even maintain present standards. The Natural Edge has been approved to do business with MWRD. This is the only technology available immediately to allow you to attain your goals.....Rick

Richard M. Day
224-723-5040
847-275-6511-cell